UNIKASSEL VERSITÄT

Institut für Werkstofftechnik
Kunststofftechnik
Prof. Dr.-Ing. Hans-Peter Heim

My Experiences in Kassel 👍

Nurettin ARIKAN

Visiting Researcher

Institute of Materials Engineering - Polymer Engineering

Content

- About me
- Beginning of the research stay
- My research activity
- The happiest city?
- Difficulties during our stay
- Future plans

About me

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About me

Education

• 2005 - 2010	Sakarya Uni., Materials Eng. (BSc)
• 2011 - 2013	HS Furtwangen, Biomedical Eng. (MSc)
• 2021 -	Kocaeli Uni., Biomedical Eng. (ongoing PhD)

Work

• 2008 - 2009	Erasmus Student (Mec. Eng.), THD Deggendorf
• 2011 - 2012	Research Assistant (ITeM), HS Furtwangen
• 2012 - 2014	Research Assistant (IAM), Karlsruhe Inst. Tech.
• 2017 - 2018	Project Assistant, Univ. Bayreuth
• 2021 -	Industrial PhD candidate, Farplas Inc. (Kocaeli)
• ? - ?	Postdoctoral researcher (?) ☺

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Beginning of the Research Stay

5/9/2026

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Beginning of the Research Stay

- First contact at FormNext Fair (11/2023), "Team Prof. Niendorf"
- Contact & interview with Prof. Heim and Dr. Hartung (2024)
- Ongoing research at Kocaeli Uni. and Farplas Inc.
- Receiving Erasmus+ scholarship and application
- Arrival in Kassel (02/2025)

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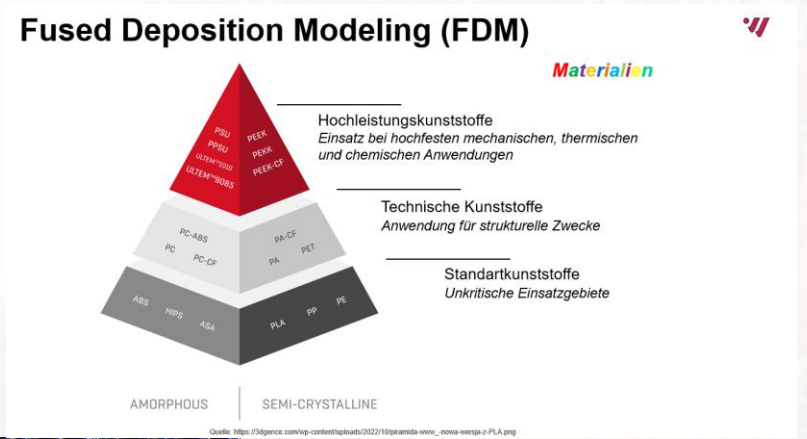
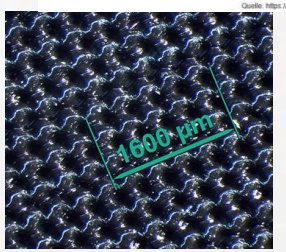
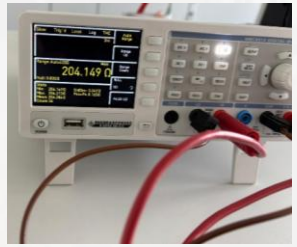
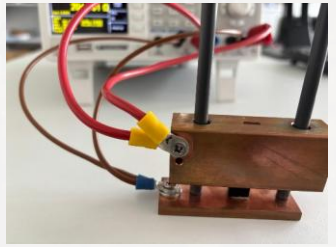
My Research Activity

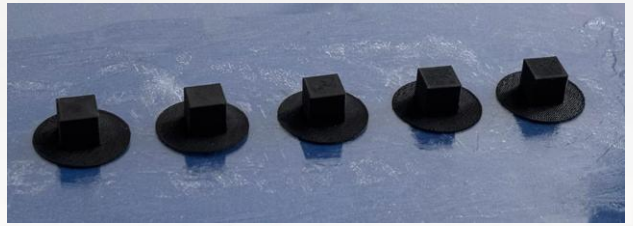
My Research Activity





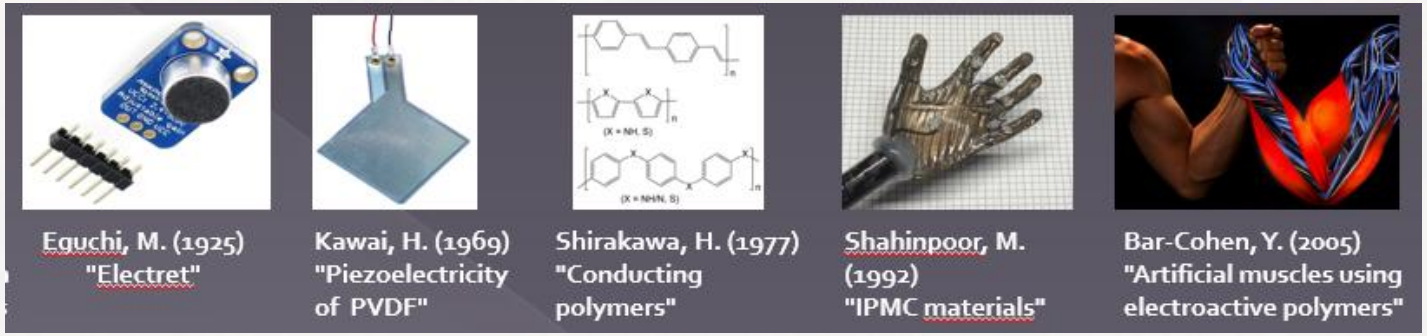


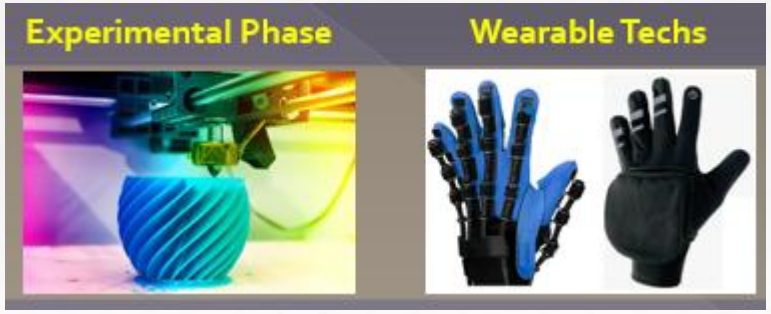




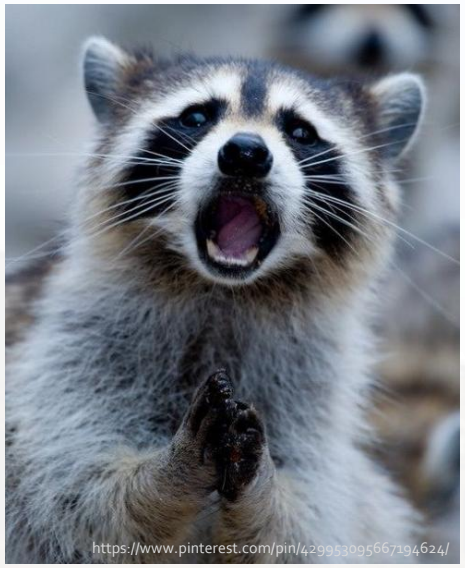
My Research Activity

- Electrically conductive PVDF (high performance plastic)
- Investigation of piezoelectric behavior
- Possibility of multi-material-3D-printing (with TPE, TPU…)
- Comparison between APF and FDM processes
- Feasibility for both rapid prototyping & applications





The Happiest City?



~~The Happiest City?~~

Good vibes

Difficulties during our Stay

- Bureaucracy
- Living costs
- Language courses
- Communication problems
- «Wanderlust»

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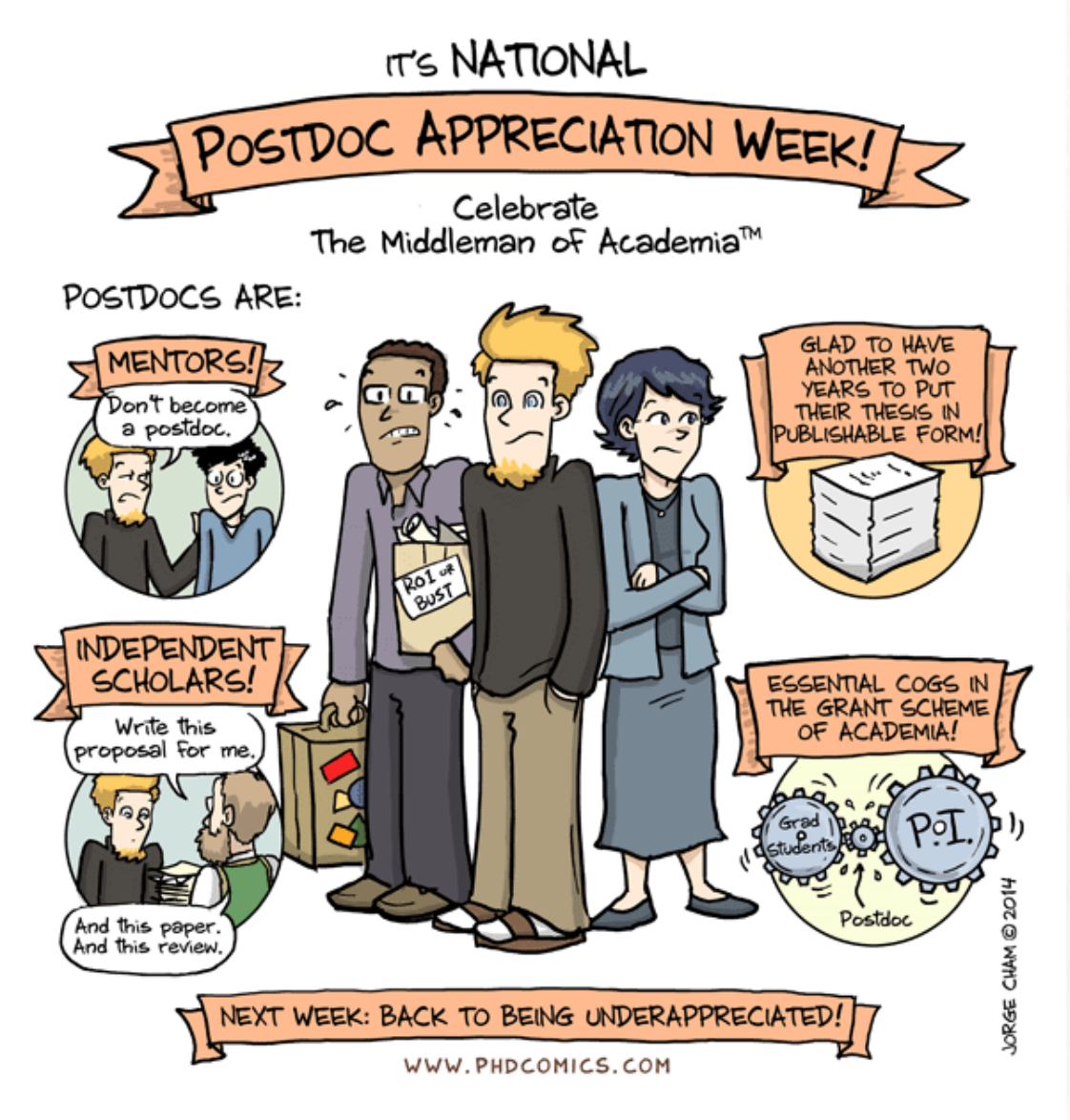
Future Plans



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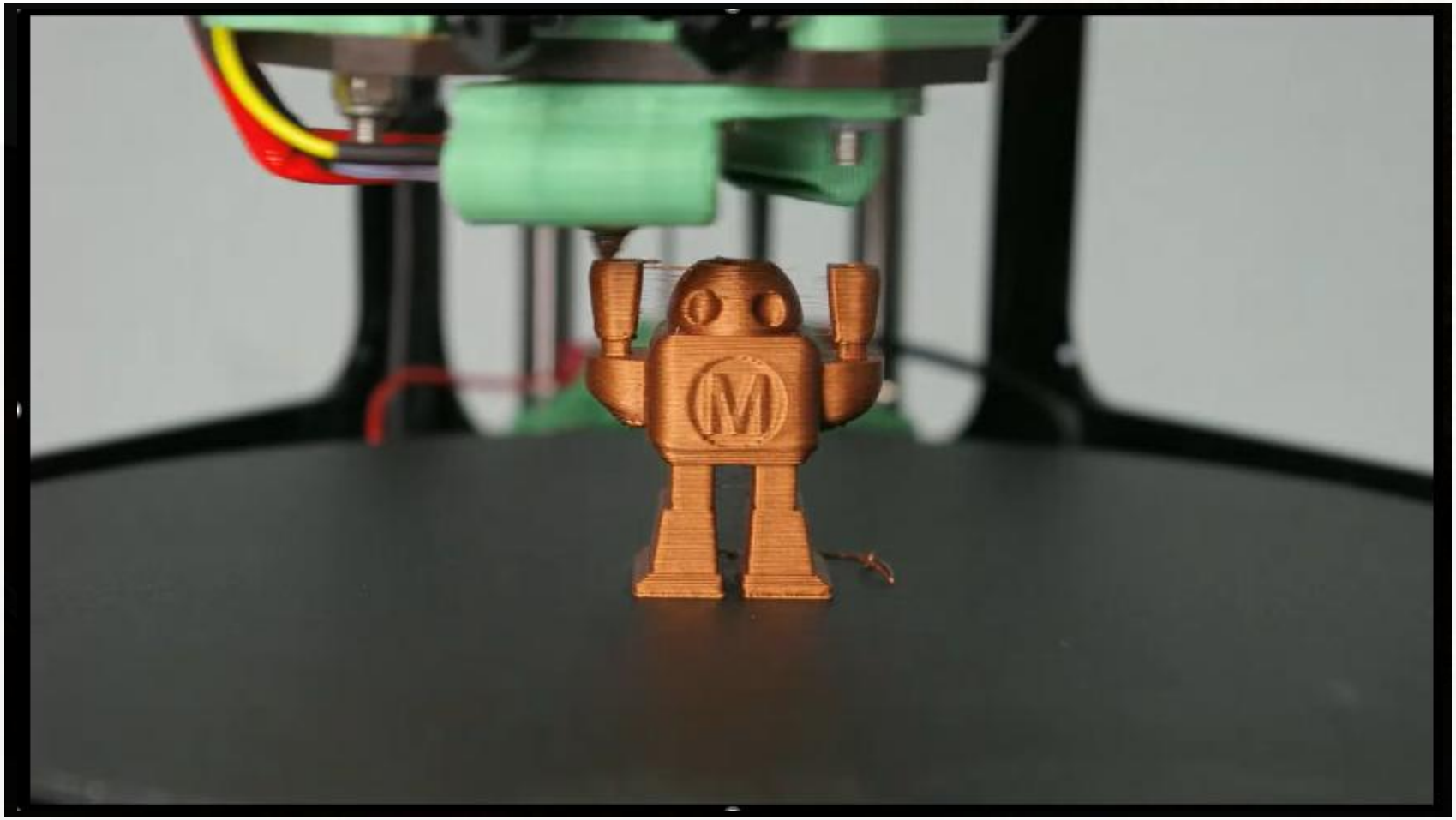
Vielen Dank!

Teşekkürler

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